

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problems Mailbox.**

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on July 29, 2002.


Ruth Saskowski



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Asim DASGUPTA et al.

Serial No.: 10/087,171

Filing Date: 01 March 2002

For: METHOD TO IDENTIFY IRES
ELEMENTS

Examiner: To be assigned

Group Art Unit: 1645

SUBMISSION OF FORMAL DRAWINGS

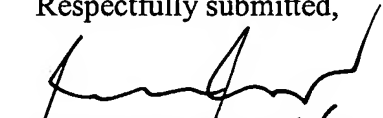
BOX MISSING PARTS
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Enclosed are 11 sheets of formal drawings in connection with the above-identified application.

Respectfully submitted,

Dated: July 29, 2002

By: 
BRUCE GRANT (47,600) For:

Kate H. Murashige
Registration No. (29,959)

Morrison & Foerster LLP
3811 Valley Centre Drive
Suite 500
San Diego, California 92130-2332
Telephone: (858) 720-5112
Facsimile: (858) 720-5125

APPROVED	2.
BY	SUBCLASS
DEPARTMENT	

Title: METHOD TO IDENTIFY IRES ELEMENTS
 Inventors: Asim DASGUPTA, et al.
 Application No.: 10/087,171
 Docket No.: 220002063600

Sheet 1 of 11

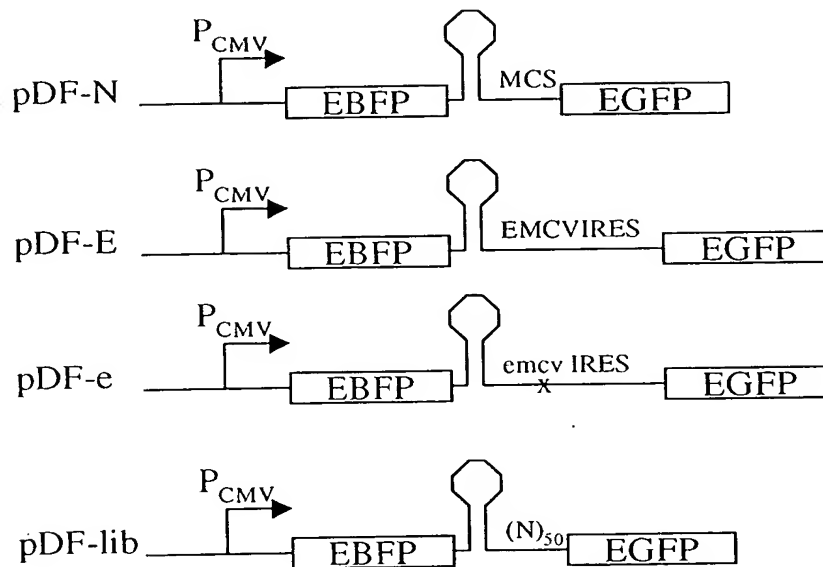


Figure 1A



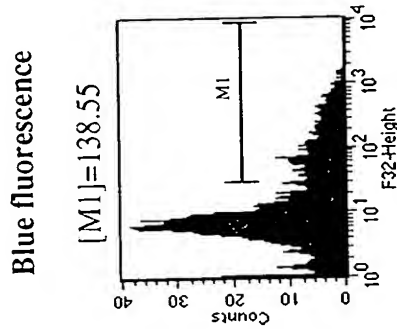


Figure 1B-3

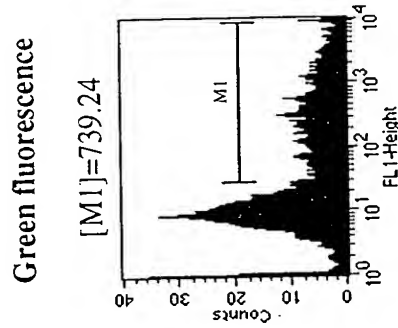


Figure 1B-2

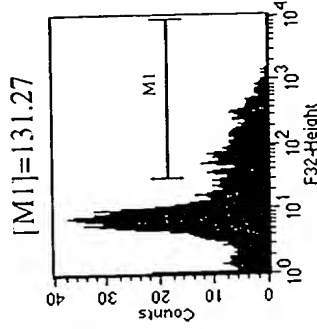


Figure 1B-6

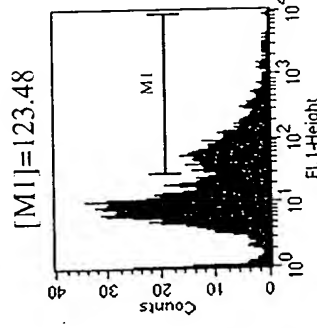


Figure 1B-5

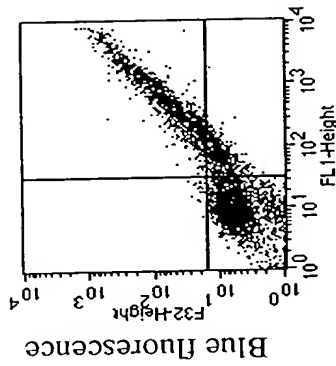


Figure 1B-1

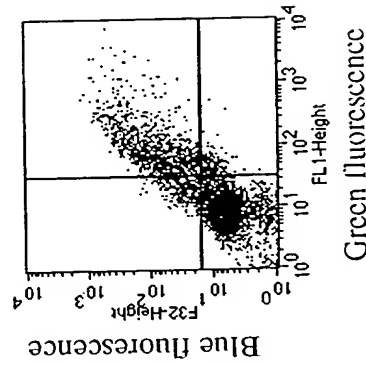


Figure 1B-4

pDF-E

pDF-e

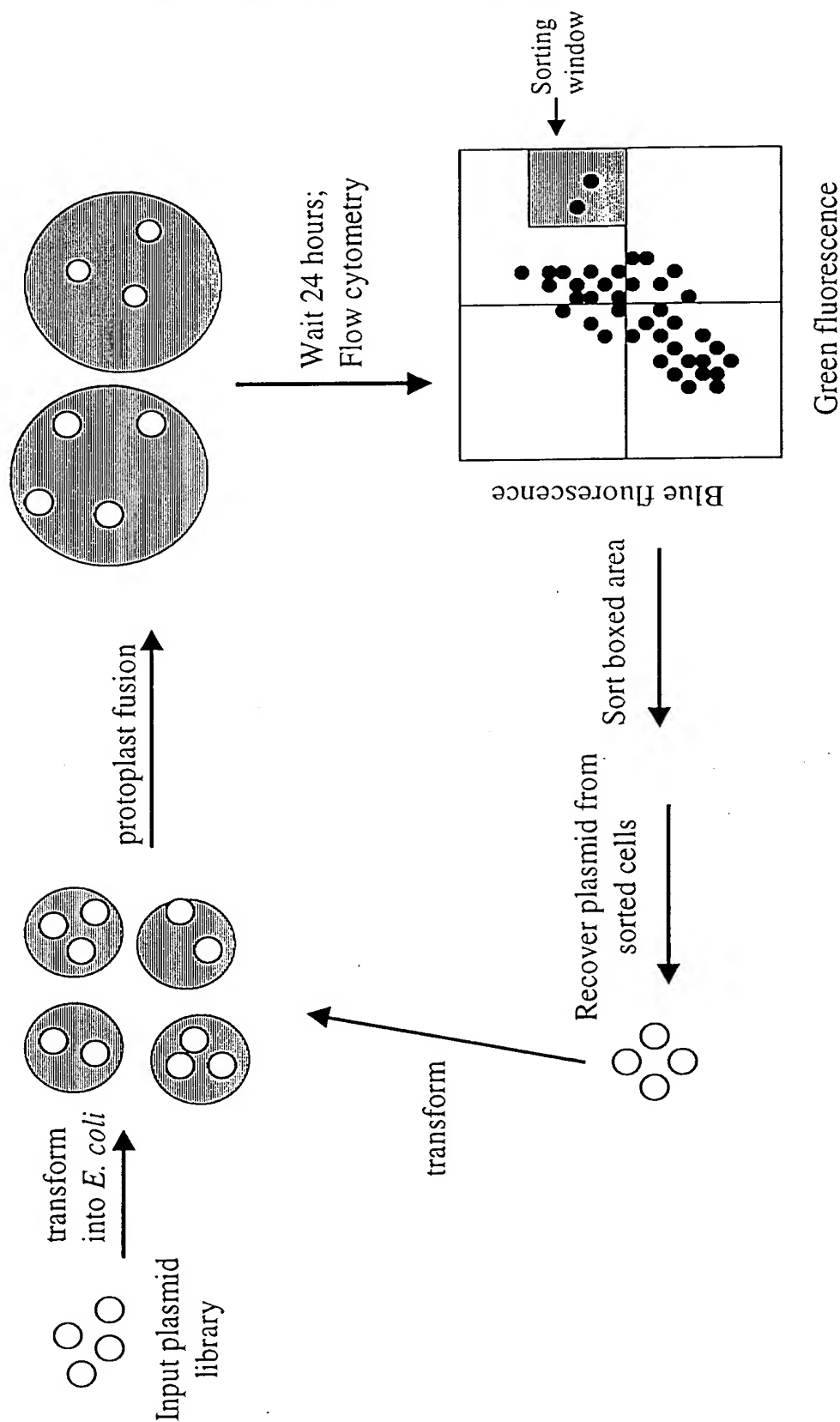


Figure 2A



Input Pool
pDF-e:pDF-E
AAAG:GCGA
10000:1

Negative Selection
(for pDF-e)
after 3 rounds

Positive Selection
(for pDF-E)
after 3 rounds

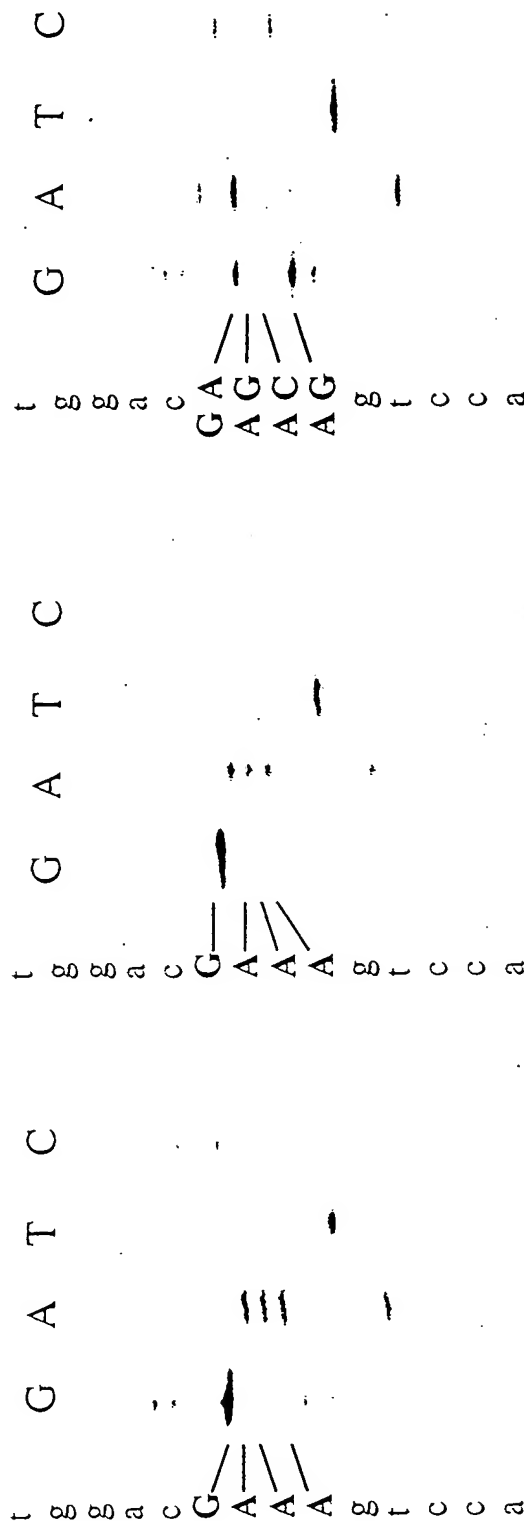


Figure 2B-1

Figure 2B-2

Figure 2B-3

Name	Sequence (SEQ ID NOS: 1-5)
PS1	5' CACAGTACgTAAGCTTAAGCTAAGCgTAGATAAGggTATATTTTgCg 3'
PS2	5' gAAATAgCTATCCTCCATCACTgCACCCgAgACTACggTTgCgCgTgTCgT 3'
PS3	5' TgACAAACTgTACATgCCgTTAACTgTAATTTTgCgTgATTTTTTgTAG 3'
PS4	5' AggTggTAGCCgCAAACATAgTTCAATACAAACTTgCTgTCTCggCgg 3'
PS5	5' AggCAGTATAATCAGTTCCACATAgAAAACCAggACTgTATCAAAgTgT 3'

Figure 2C



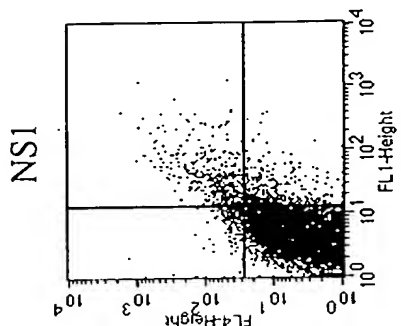


Figure 3D

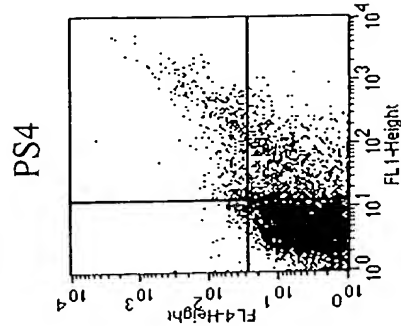


Figure 3H

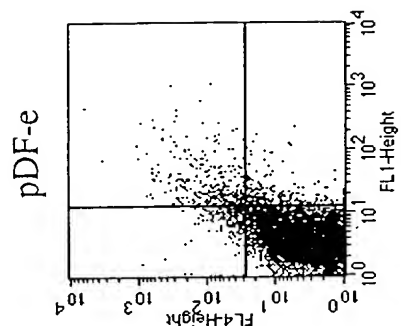


Figure 3C

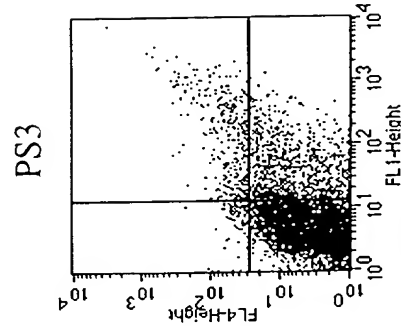


Figure 3G

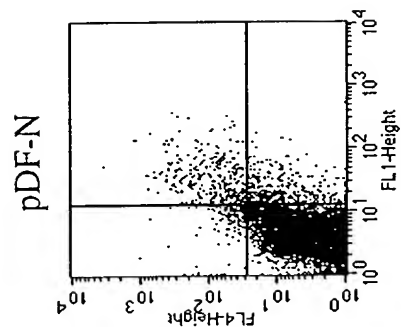


Figure 3B

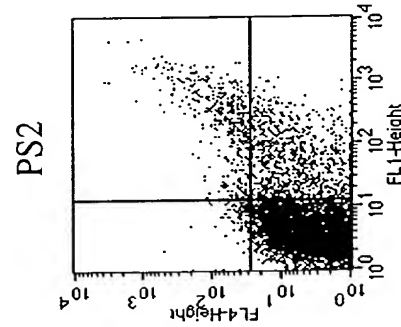


Figure 3F

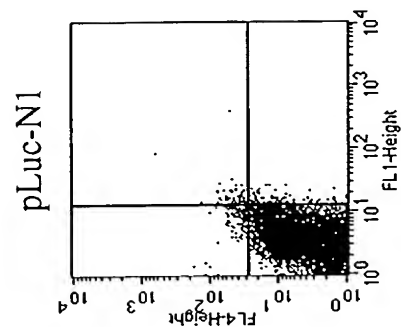


Figure 3A

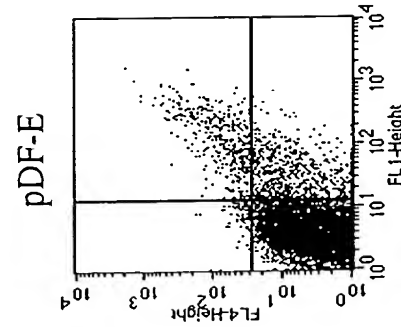


Figure 3E

BLUE FLUORESCENCE

GREEN FLUORESCENCE



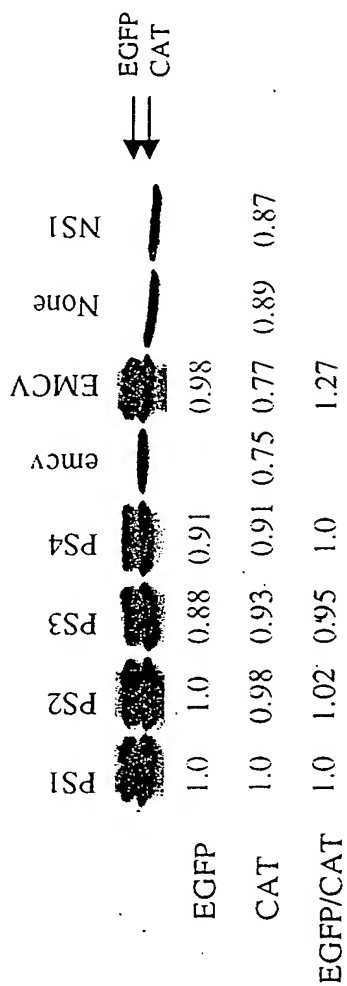


Figure 4A

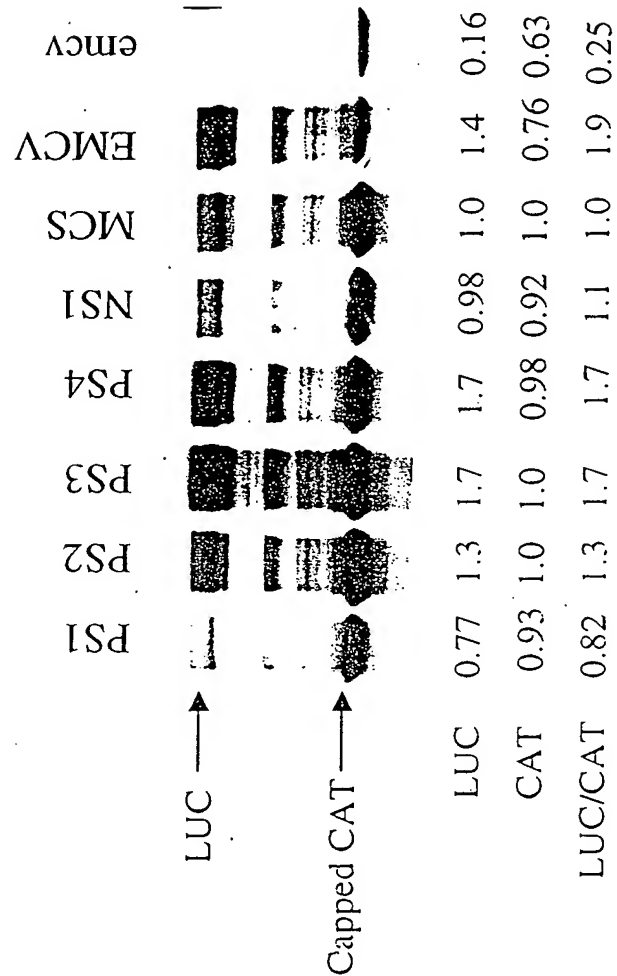


Figure 4B



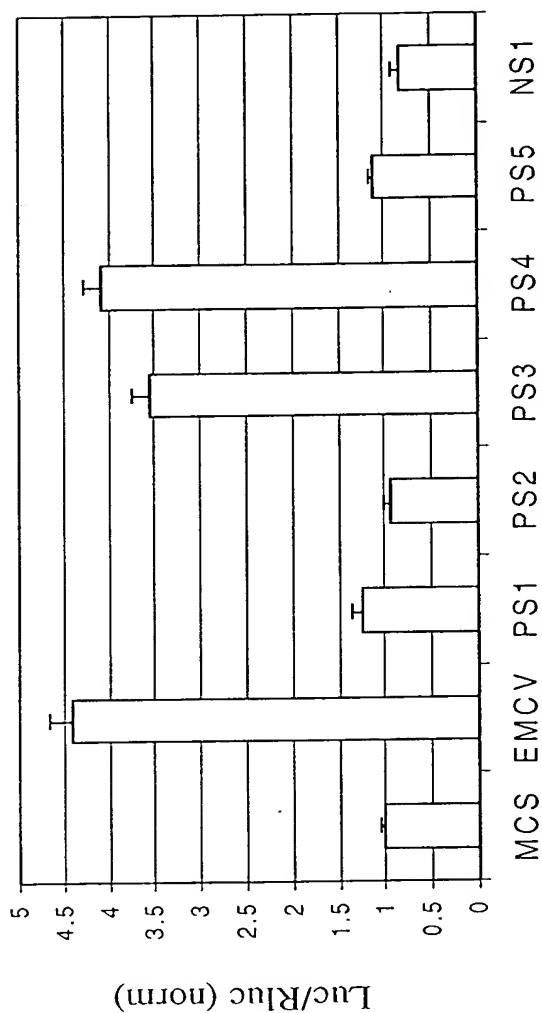


Figure 4C



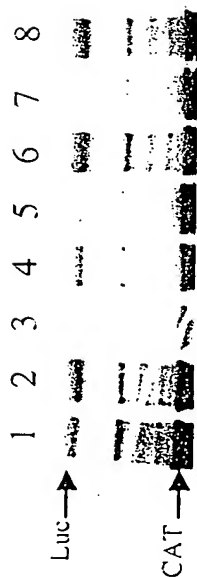


Figure 5A

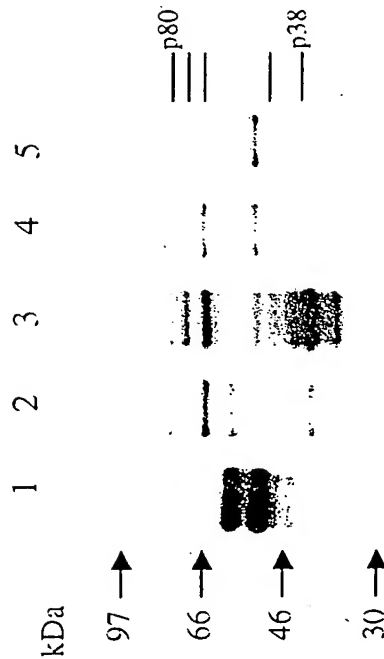


Figure 5B

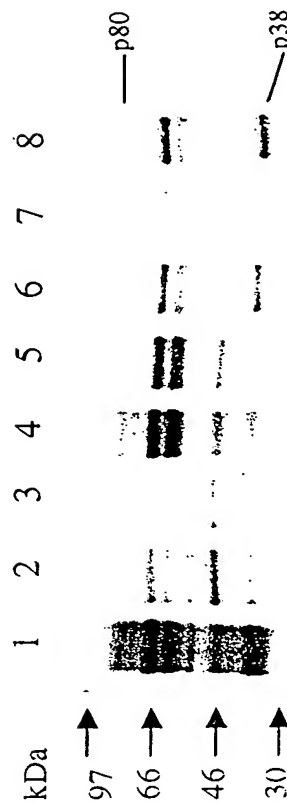


Figure 5C



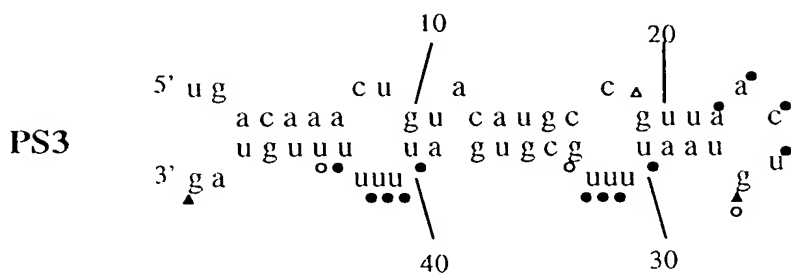


Figure 6A

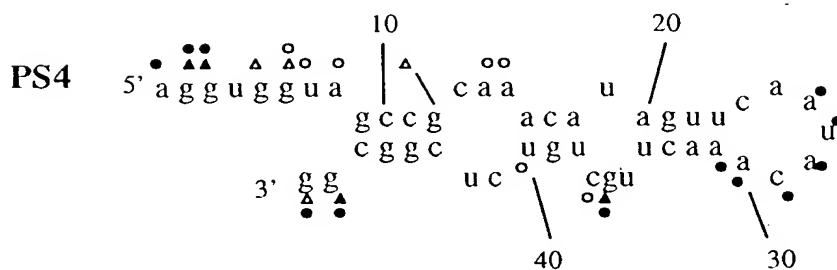


Figure 6B

